

# NOWATA COUNTY

## CLIMATE SUMMARY

### AVERAGES

#### TEMPERATURE (°F)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
DAILY AVG	37.0	41.6	51.2	59.9	68.3	77.4	81.6	80.8	72.0	61.3	49.7	39.8	60.0
DAILY MIN	26.4	29.8	38.4	47.9	57.6	67.4	71.1	69.5	60.5	49.3	38.1	28.9	48.7
DAILY MAX	47.6	53.4	64.0	72.0	79.0	87.5	92.0	92.0	83.5	73.3	61.4	50.7	71.4

**Annual number of days max temperature is greater than 90°F: 60**

**Annual number of days max temperature is greater than 100°F: 9**

**Annual number of days max temperature is less than 32°F: 10**

**Annual number of days min temperature is less than 32°F: 82**

**Annual number of heating degree days (HDD): 3643**

**Annual number of cooling degree days (CDD): 1874**

**Annual length of growing season: 210 days**

**Date of first fall freeze: November 1**

**Date of last spring freeze: April 4**

#### PRECIPITATION

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
AMOUNT (in.)	1.44	1.75	3.20	4.48	6.50	5.20	3.25	3.38	3.46	3.65	2.36	2.14	40.81
NUMBER OF DAYS WITH RAIN	4.7	5.4	7.7	8.1	9.1	9.0	6.1	5.4	6.2	6.7	5.3	4.7	78.4

**Annual snowfall (1979-2008): 5.2 in.**

**Annual percent sunshine (2006-2020): 64%**

**Annual number of thunderstorm days (1901-1995): 53**

**Annual number of hail (>1 in.) days (1986-2015): 4-5**

**Annual number of tornadoes (1950-2021): 0.61**

**Total number of tornadoes (1950-2021): 44**

Notes:

1.) Average first and last freeze dates are based on the 50th probability percentile.

2.) Unless noted, averages/normals are based on the 1991-2020 period.



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## RECORDS & EXTREMES

**Record high temperature:** 118°F (August 9, 1936)  
**Record low temperature:** -31°F (February 10, 2011)  
**Earliest freeze date:** October 18  
**Latest freeze date:** April 21  
**Wettest year:** 62.49 in. (1961)  
**Driest year:** 22.34 in. (1963)  
**Greatest daily rainfall:** 7.73 in. (August 14, 1961)  
**Greatest seasonal snowfall (Sep - Apr):** 34.0 in. (2002-2003)  
**Greatest daily snowfall:** 16.0 in. (March 17, 1970)

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*Note: Extreme earliest and latest freeze dates are based on the 10th probability percentile.*

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## HOLIDAY STATS

	AVG MAX TEMP (°F)	AVG MIN TEMP (°F)	RECORD HIGH (°F)	RECORD LOW (°F)
NEW YEAR'S EVE, December 31	46	25	72 (1951)	-3 (1976)
VALENTINE'S DAY, February 14	52	28	77 (1954)	9 (1944)
INDEPENDENCE DAY, July 4	92	68	103 (1963)	55 (1968)
HALLOWEEN, October 31	68	46	88 (1950)	17 (1993)
CHRISTMAS, December 25	47	25	70 (1955)	-6 (1983)





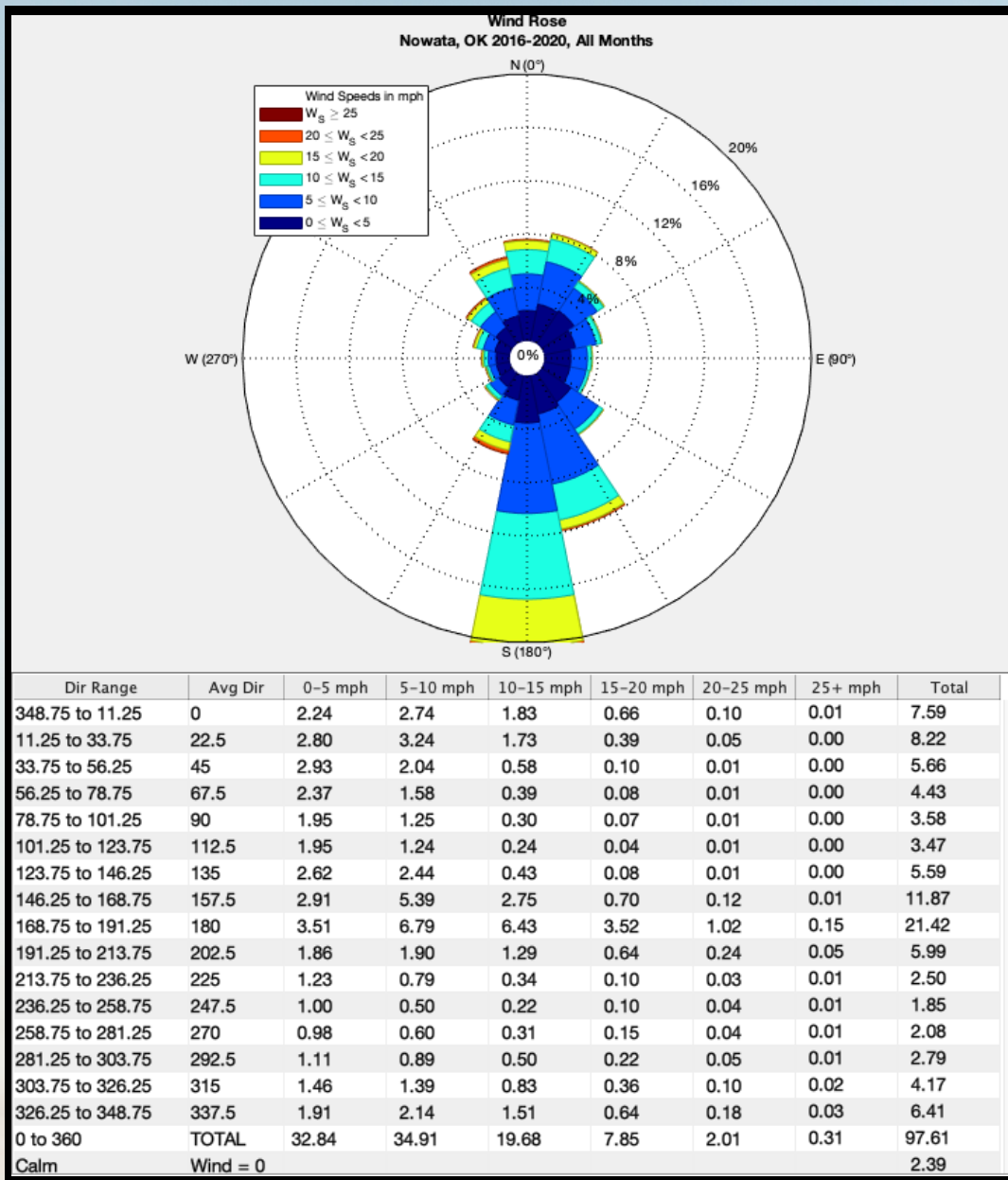
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## WIND

**Average wind speed:** 8 mph

**Wind Roses:** Wind roses show the prevailing direction from which the wind is blowing. North is up in the image. The circles show the percentage of time from which the wind is blowing in that direction, as well as the percentage of time for different wind speed ranges. The wind speed ranges are represented by different shades of color. For example, Nowata records a south wind about 21% of the time, with winds blowing between 5 and 10 mph about 7% ( $10.5\% - 3.5\% = 7\%$ ) of the time from that direction. The table below shows the percentage of time the wind is blowing from each of the 16-point compass headings, and the percent of time the prevailing wind is recorded in each speed bin.





**Oklahoma Climatological Survey:**

climate.ok.gov

**Oklahoma Mesonet:**

mesonet.org

120 David L. Boren Blvd., Suite 2900

Norman, OK 73072

phone: 405.325.2541

fax: 405.325.7282